

CLAIMS

1. An improved heating head (10) for a stove (30), characterized in that it comprises a supporting structure (12) for a series of radiating bodies (14) situated along a circumference, each of said radiating bodies (14) being fed individually.
2. The heating head (10) according to claim 1, characterized in that said radiating bodies (14) are infrared burners.
- 10 3. The heating head (10) according to claim 1, characterized in that said radiating bodies (14) are arranged at an equal distance from each other or in other configurations.
4. The heating head (10) according to claim 1, characterized in that said radiating bodies (14) can be reoriented.
- 15 5. The heating head (10) according to claim 1, characterized in that the gas flow-rate of said radiating bodies (14) can be regulated.
- 20 6. The heating head (10) according to claim 1, characterized in that groups of said radiating bodies (14) are fed contemporaneously and their gas flow-rate can be regulated.
7. The heating head (10) according to claim 6, characterized in that said groups of said radiating
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bodies (14) are arranged in different ways along the circumference.

8. The heating head (10) according to claim 2, characterized in that said infrared burners comprise a  
5 ceramic surface (16) which faces a flame-breaking chamber 18, where a flame is generated through a fuel feeder (20).

9. The heating head (10) according to claim 8, characterized in that said ceramic surfaces (16) of  
10 said radiating bodies (14) are tilted to direct the radiation, referring to the circumference on which said radiating bodies (14) are assembled, in the lower part and radially towards the outside.

10. The heating head (10) according to claim 1,  
15 characterized in that said supporting structure (12) has a truncated pyramidal or truncated conical shape, with the smaller base placed downwards.

11. The heating head (10) according to claim 10, characterized in that a radiating body (14) is  
20 positioned at each side of the truncated pyramid of the holding structure (12).

12. The heating head (10) according to claim 1, characterized in that it comprises, in the upper part, a truncated conical portion (22), with the largest base  
25 below, and with a reflecting lower part.

13. The heating head (10) according to claim 1, characterized in that said stove (30) comprises a supporting base (32) and a stem (34), at whose top said heating head (10) is fixed.

5 14. The heating head (10) according to claim 13, characterized in that above said supporting base (32) there is a cylindrical structure (36) in which a normal liquid butane propane gas cylinder (38) is inserted.

15. The heating head (10) according to claim 14,  
10 characterized in that said cylindrical structure (36) can be opened with a door.

16. The heating head (10) according to claim 14, characterized in that said cylinder (38) is connected to a control panel (42) with a gas tube (40), passing  
15 inside said stem (34), which is hollow and arranged axially with respect to said stove (30).

17. The heating head (10) according to claim 16, characterized in that said control panel (42) is situated along said stem (34), in an intermediate  
20 position between said cylindrical structure (36) and said heating head (10).

18. The heating head (10) according to claim 16, characterized in that said control panel (42) is situated in the lower part of said stem (34).

25 19. The heating head (10) according to claim 14 and

16, characterized in that said control panel (42) is situated in a space above said cylindrical structure (36) of said supporting base (32).

20. The heating head (10) according to claim 17,  
5 characterized in that gas ducts (44) connected to each of said radiating bodies (14) or to a group of said radiating bodies (14), leave said control panel (42), said ducts (44) passing inside the stem (34).

21. The heating head (10) according to claim 20,  
10 characterized in that ducts (44) are connected to corresponding pairs of said radiating bodies (14).

22. The heating head (10) according to claim 21,  
characterized in that switches (46) are envisaged, whose action causes the ignition of corresponding pairs  
15 of said radiating bodies (14).

23. The heating head (10) according to claim 22,  
characterized in that each of said switches contemporaneously (46) activates three push buttons, one operating a gas feed to the first burner connected  
20 to said radiating bodies (14), a second acting on a gas feed to the second burner connected and the third push button causing ignition to light up said pair of radiating bodies (14).

24. The heating head (10) according to claim 1,  
25 characterized in that said stove (30) comprises a

battery or manual igniter for generating an ignition spark for lighting up flame-breaking chambers (18) of said radiating bodies (14).

25. The heating head (10) according to claim 1,  
5 characterized in that said stove (30) can be dismantled.

26. The heating head (10) according to claim 14 and 17, characterized in that, after removing said cylinder (38) from said cylindrical structure (36) and  
10 disconnecting said control panel (42) from said stem (34), said stem (34) is inserted inside said cylindrical structure (36), by sliding it axially into a hole situated above said cylindrical structure (36).

27. The heating head (10) according to claim 26,  
15 characterized in that said heating head (10), which is solidal with said stem (34), remains outside and above said cylindrical structure (36).

28. The heating head (10) according to claim 20 and 27, characterized in that said control panel (42),  
20 disconnected from said tube (40) and from said ducts (44), is arranged inside said cylindrical structure (36).

29. The heating head (10) according to claim 2,  
characterized in that said stove (30) is equipped with  
25 a safety device for each burner.

30. The heating head (10) according to claim 29, characterized in that said safety device is a thermocouple and acts by optionally closing a gas tap present on each of said burners.

5 31. The heating head (10) according to claim 13, characterized in that said supporting base (32) is equipped with wheels.

32. The heating head (10) according to claim 13, characterized in that the length of said stem (34) is  
10 selected according to the clients' demands.

33. The heating head (10) according to claim 16, characterized in that said control panel (42) comprises mechanical components or is run by the use of an electronic card.

15 34. The heating head (10) according to claim 1, characterized in that said radiating bodies (14) are equipped with fans (50).

35. The heating head (10) according to claim 34, characterized in that said fans (50) are assembled in  
20 correspondence with and below or above each radiating body (14).

36. The heating head (10) according to claim 34, characterized in that said fans (50) are fed by a battery.

25 37. The heating head (10) according to claim 36,

characterized in that said battery is the same as that which allows the ignition of said radiating bodies (14).

38. The heating head (10) according to claim 34,  
5 characterized in that said fans (50) have a grid on an air inlet and are driven by a control panel (42).

39. The heating head (10) according to claim 38, characterized in that said control panel (42) is partialized and that each radiating body (14) has a  
10 regulation screw of the gas flow-rate and a regulation screw of the rotation rate of said fan (50).

40. The heating head (10) according to claim 34, characterized in that said fans (50) are means for dispersing essences or perfumes into the environment.

15 41. The heating head (10) according to claim 34, characterized in that it comprises separate lower reflecting surfaces (48).

42. The heating head (10) according to claim 41, characterized in that said reflecting surfaces (48) are  
20 petal-shaped.